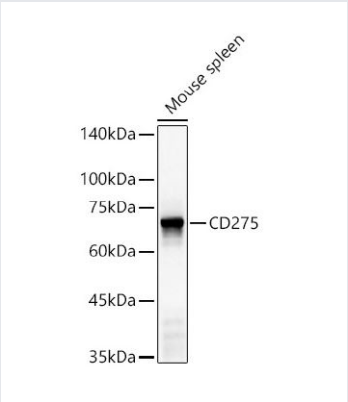
CD275 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CD275, Polyclonal Antibody
Full Product Name	CD275 Rabbit pAb
Product Gene Name	anti-CD275 antibody
Product Synonym Names	B7h; GI50; GL50; B7-H2; LICOS; B7RP-1; GL50-B; ICOS-L; Icoslg; Ly115l; mKIAA0653
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles. Ship: Ice Pack
Molecular Weight	38,914 Da
3D Structure	ModBase 3D Structure for Q9JHJ8
Positive Samples	Mouse spleen
Immunogen	Recombinant protein of human CD275.
Product Categories/Family for anti-CD275 antibody	Polyclonal Antibodies
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD275 antibody	Western Blot (WB)
Application Notes for anti-CD275 antibody	WB: 1:500-1:2000
Related Product Information for anti-CD275 antibody	Predicted to enable identical protein binding activity and signaling receptor binding activity. Involved in positive regulation of interleukin-4 production. Located in external side of plasma membrane. Is integral component of plasma membrane. Is expressed in several structures, including extraembryonic component; gonad; hemolymphoid system gland; liver; and stomach. Orthologous to human ICOSLG (inducible T cell costimulator ligand).
Other Notes	Small volumes of anti-CD275 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CD275 purchase	MBS9146433 is an antibody targeting CD275. Also known as CD275 Rabbit pAb. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-CD275 antibody
Western blot analysis of Mouse spleen, using CD275 Rabbit pAb (MBS9146433) at 1:1500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD275. It may not necessarily be applicable to this product.

NCBI GI #	7657220
NCBI GeneID	50723
NCBI Accession #	NP_056605.1
UniProt Primary Accession #	Q9JHJ8
UniProt Related Accession #	Q9JHJ8
GenBank Nucleotide #	NM_015790.3
NCBI Official Full Name	ICOS ligand
NCBI Official Synonym Full Names	icos ligand
NCBI Official Symbol	Icosl
NCBI Official Synonym Symbols	B7h; GI50; GL50; B7-H2; LICOS; B7RP-1; GL50-B; ICOS-L; Icoslg; Ly115l; AU044799; BG071784; mKIAA0653
UniProt Protein Name	ICOS ligand
UniProt Synonym Protein Names	B7 homolog 2; B7-H2; B7-like protein GI50; B7-related protein 1; B7RP-1; LICOS; CD_antigen: CD275
Protein Family	ICOS ligand
UniProt Gene Name	Icoslg
UniProt Synonym Gene Names	B7h2; B7rp1; Icosl; B7-H2; B7RP-1
UniProt Entry Name	ICOSL_MOUSE
NCBI Protein Information	ICOS ligand

UniProt Comments for CD275	ICOSLG: Ligand for the T-cell-specific cell surface receptor ICOS. Acts as a costimulatory signal for T-cell proliferation and cytokine secretion; induces also B-cell proliferation and differentiation into plasma cells. Could play an important role in mediating local tissue responses to inflammatory conditions, as well as in modulating the secondary immune response by co- stimulating memory T-cell function. Belongs to the immunoglobulin superfamily. BTN/MOG family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral Cellular Component: external side of plasma membrane; integral to membrane; integral to plasma membrane; membrane Molecular Function: protein binding; receptor binding Biological Process: adaptive immune response; B cell activation; immune system process; isotype switching; positive regulation of activated T cell proliferation; positive regulation of interleukin-4 biosynthetic process; signal transduction; T cell activation
Research Articles on CD275	**1.** There was a clearly positive correlation between the presence of IL-17-producing cells and ICOS expression in ICOSL KO mice; it also showed that Th17 was involved in the pathological tissue remodeling in liver fibrosis induced by schistosomiasis.
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